BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

BYATARAYANAPURA DIVISION

BYATARAYANAPURA SUB DIVISOIN

Name of the Work : Maintenance of Tiolet in Ward no. 06

Estimated Cost : 2.50 Lakhs

Job Code: 006-20-000200

BRUHAT BANGALORE MAHANAGARA PALIKE
YELAHANKA ZONE

Name of work: Estimate for Maintenance of Toilet in ward no. 06.

								Estimate Cost Rs.	250000.00
Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	kSRB 2-2.2: Earthwork in execavation for foundation of structure like culverts, retaining wall etc., as per drawing and technical specification, including setting out, construction of shoring and bracing, dressing of sides and bottom, back filling with approved material, disposal of balance earth as per specification, including cost of labour, HOM etc., complete. In all kinds of soil by manual means. (P.No.6, I.No.2.4 of PW,P&IWTD S.R 2018-19)	Cum							
	hospital sump		1	2.9	2.9	2.5	21		
	dwcc sump		1	2.9	2.9	2.5	21		
							42.1	**558.54**	**23487**
2	KSRB 4-1.2: Providing and laying in position plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with 40mm nominal size mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days complete as per specifications, MORTH specifications No. 408, (P.No.13, I.No.4-1.2 of PW,P&IWTD S.R 2018-19)	Cum							
	PCC hospital sump		1	2.9	2.9	0.15	1.26		
	PCC dwcc sump		1	2.9	2.9	0.15	1.26		
							2.52	**5505.64**	**13891**
3	KSRB 4.2.1 :Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. With 20mm and sown size granite metal course aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compcted for walls and bottom including centring shuttering cost of material HOM of machinary curing etc., complete execluding cost of steel as per MORTH specification no. 1500, 1700, 2200 including cost of material labour HOM complete as per specification. (P.13/I.4.10 PW,P & IWTD, SOUTHZONE -SR 2018-19)	Cum							
	raft for hospital sump		1	2.9	2.9	0.15	1.26		
	raft for dwcc sump		1	2.9	2.9	0.15	1.26		
	roof slab rcc		2	2.5	2.5	0.15	1.88		
	deduction for sump opening		2	0.6	0.6	0.15	0.11		
							4.29	**6160.72**	**26429**
4	KSRB 6-2 : Providing and constructing burnt brick masonry with approved quality of non-modular bricks of standard size of class designation 5.0 newton per sqmm (tabnle moulded) with cement mortar 1:6 for basement and superstructure including cost of materials , labour chargers scaffolding ,curing complete as per specifications , specification No.KSRB 6-1.3(P.29/I .6.5 PW ,P & IWTD , SOUTH ZONE - SR 2018-19)	Cum							
			4	2.5	0.23	2.2	5.06		
			4	2.5	0.23	2.2	5.06		
	Basic Rate	6709.00					10.1	**7111.54**	**71969**
	Area Weightage @ 6%	402.54							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Total	**7111.54**							
5	KSRB15-3.12 :Providing 20mm thick cement plaster in single coat with cement mortar 1:6, to stone masonry & concrete surface including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. **Page No. 114, Item No. 15.21 of PWD SR 2016-17 (Inside Plastering)**	Sqm							
	Inside hospital sump		4	2.50		2.20	22.00		
	Inside dwcc sump		4	2.50		2.20	22.00		
	flooring		2	2.50		2.50	12.50		
	Basic Rate	208.00					**56.50**	224.64	**12692.00**
	Area Weightage @ 8%	16.64							
	Total	**224.64**							
6	KSRB15-3.9 :Providing 18mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. **Page No. 114 / Item No. 15.17, PWD SR 2018-19 (Outside Wall)**	Sqm							
	Out Side		1	3.00		3.00	9.00		
			1	3.00		3.00	9.00		
							18.00		
	Deductions for Ventilor		1	0.60		0.60	0.36		
			1	0.60		0.60	0.36		
							0.72		
	Basic Rate	245.00					**17.28**	264.60	**4572.00**
	Area Weightage @ 8%	19.60							
	Total	**264.60**							
7	KSRB 4-6.1 : Providing and removing **centering, shuttering, strutting, propping** etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2 **Page No. 15 / Item No. 4.28, PWD SR 2018-19**	Sqm							
			1	2.50	2.50		6.25		
			1	2.50	2.50		6.25		
	Basic Rate	258.00					**12.50**	278.64	**3483.00**
	Area Weightage @ 8%	20.64							
	Total	**278.64**							
8	KSRRB - M2300-14: Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.MORTH Specification No. 1600 & 2200 for TMT bars Fe 500. (P.No.239, I.No.29.29.2 of PW, P&IWTD S.R 2018-19)	TN							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	9[illegible]g/Cum of Concrete		1	1.35	90.00		0.12		
	[illegible]		1	1.35	90.00		0.12		
							0.24	73992.24	17980.11
	Basic rate	69804.00							
	Area weightage 6%	4188.24							
	Total	**73992.24**							
9	Supplying and fixing pressed steel door frames size 125x65 mm manufactured from 1.25mm thick carbon steel or imported steel strips with mitred joints of 900 for door openings and shutters made out of seasoned Honne wood, styles of 30 mm, thick with lock rail of 160 mm, width, top and side rails of 100 mm. width and bottom rails of 250 mm width and panel filling with 12mm thick particle board of exterior grade bonded with phenol formal dehide resin and the shutter shall be rot proof, vermin proof, heat resistant guaranteed against shrinkage, warpage and such other defects for a period of 3 years. This shall be as per approved drawings, specification and direction including cost of conveyance, manufacturing, painting with enamel paint 2 coats over primer coat, cost of labour for all items of work, machinery, equipment and all other incidental charges with all lead, lift, loading and unloading etc., complete. The Hollow portion of the frame to be filled with cement concrete 1:2:4. **Page No. 39 / Item No. 7.26, PWD SR 2018-18**	Sqm							
			2	0.60		0.60	0.72		
	Basic Rate	3210.00					**0.72**	3466.80	**2496.00**
	Area Weightage @ 8%	256.80							
	Total	**3466.80**							
10	"Providing and fixing cold rolled prepainted steel windows of IS standards, made out of 0.6mm thick deep drawing quality galvanised on both sides 120gms/sq.mtr. Primer coat upto 5 microns with thermosetting epoxy resin and finish painted with a polyester based paint 20 microns thick. The size of profiles is approximately 46 x 52mm for external frames, 46x46mm section for shutters, 46x70mm section for centre mullion/transom and 18x31mm section is for fixing glasses. The section should be cut to length joint mitred and assembling by means of corner brackets made out of cold rolled cold annealed strips of 1.2mm thick duly galvanised and fixed with nickle plated self taping screws.The shutters are provided with approved quality of fixtures like handles made out of zamac alloy die cast and powder coated, receiver made out of glass filled nylone and hinges made out of CRCA powder coated. 4mm thick glass should be fixed with EPDM gaskets. Guard bars fabricated out of 10mm square bright bars shall be fixed horizontally at 125mm C/C by	Sqm							
	Ventilator		2	0.60		0.60	0.72		
	Basic Rate	5618.00					**0.72**	6067.44	**4369.00**
	Area Weightage @ 8%	449.44							
	Total	**6067.44**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
11	KSRB 15-14.1 : Providing and **applying two coats with oil bound washable distemper** of approved brand and shade on wall surface including priming coat with distemper primer after throughly brooming the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. **Page No. 117 / Item No. 15.49.1, PWD SR 2018-19**	Sqm							
			Qty Vide Item of plastring				**56.50**	118.80	**6712.00**
	Basic Rate	110.00							
	Area Weightage @ 8%	8.80							
	Total	**118.80**							
12	KSRB 15-16.1 : Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. - with primer. **Page No. 117 / Item No. 15.53.2, SR 2018-19**	Sqm							
			Qty Vide Item outside plastring				**17.28**	108.12	**1868.00**
	Basic Rate	102.00							
	Area Weightage @ 6%	6.12							
	Total	**108.12**							
13	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement and testing of joints complete. (internal work exposed on wall) - 25mm nominal OD pipes. (**P.No. 96/I.No. 13.85.3 of CSR 2018-19**)	m							
			1	25.00			**25.00**	152.39	**3810.00**
	Basic Rate	196.00							
	Area Weightage @ 8%	15.68							
	Total	**211.68**							
14	Supplying water storage tanks made of virgin polymer (LLDPE) with two layers outer Black or Blue and inner White layer of approved quality and make, conforming to I.S.I./ISO/SSI specifications. (**P.No. 265 / I.No. 37.58 of PWD SR 2018-19**)	L							
			2	500.00			**1000**	6.36	**6360.00**
	Basic Rate	6.00							
	Area Weightage @ 8%	0.36							
	Total	**6.36**							
15	KSRB13-6.1-3 : Providing and fixing in position brass bib cock of approved quality 25mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No.KBS 13.2.2 / 13.3. **(P.No.91/ I.No. 13.25 of CSR 2018-19)**	Each							
			5				**5**	192.44	**962.00**
	Basic Rate	236.00							
	Area Weightage @ 8%	18.88							
	Total	**254.88**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
16	Submersible Single Phase .5inch/3.7) 5 stage waterpump for SR 2018-19 page no.XLII	Each							
		2.00					2	9970.00	19940.00
	TOTAL								221019.72
	1% PMC								2210.20
	12%GST								26522.37
	SUB TOTAL								249752.29
	M R								247.71
	Total								250000.00
	(Rupees Two lakhs Fifty Thousand only)								

Certificate:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per P.W.D S.R of 2018-19.
3 This work included under 2019-20 P-3294 14th Finance Grant.
4 The provisions were made in this estimate are necessary and adequate.
5 This works come under B.B.M.P. limits.

Assistant Engineer
ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Sub Division
ಬಿ.ಬಿ.ಎಂ.ಪಿ, ಬೆಂಗಳೂರು-26

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

Administrative Approval

Accorded For Rs 2.5 Lakhs only
Head of A/C. P.3294
CER NO :..23.. Dt:..09-11-2020

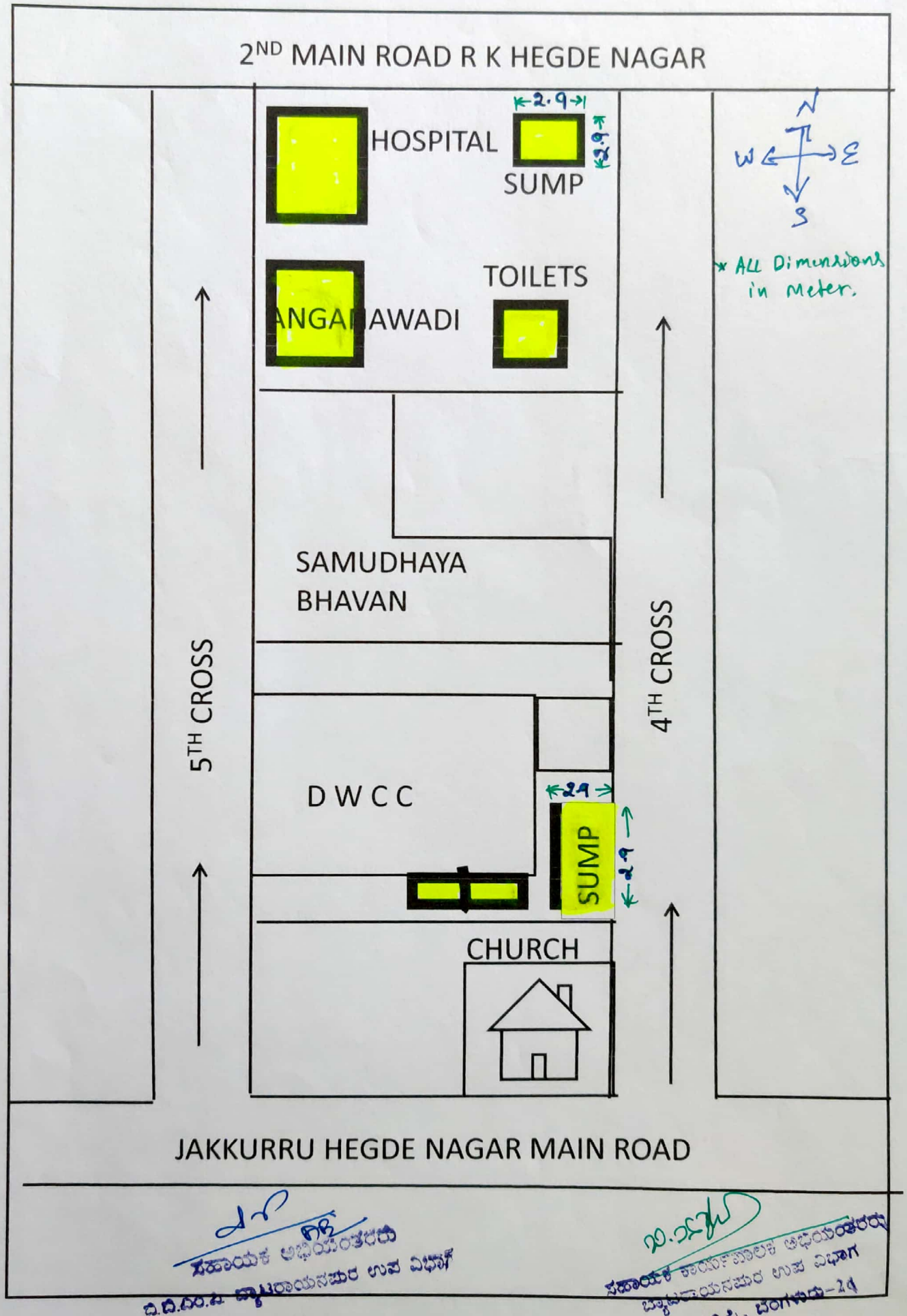
TA ACE (BNK)

TECHNICAL SANCTION

Accorded For Rs. 2.50 Lakhs only
Head of A/c. P294
Div. Ref. No. 82 Date 01/12/2020

AE EE(BTP) 01/12

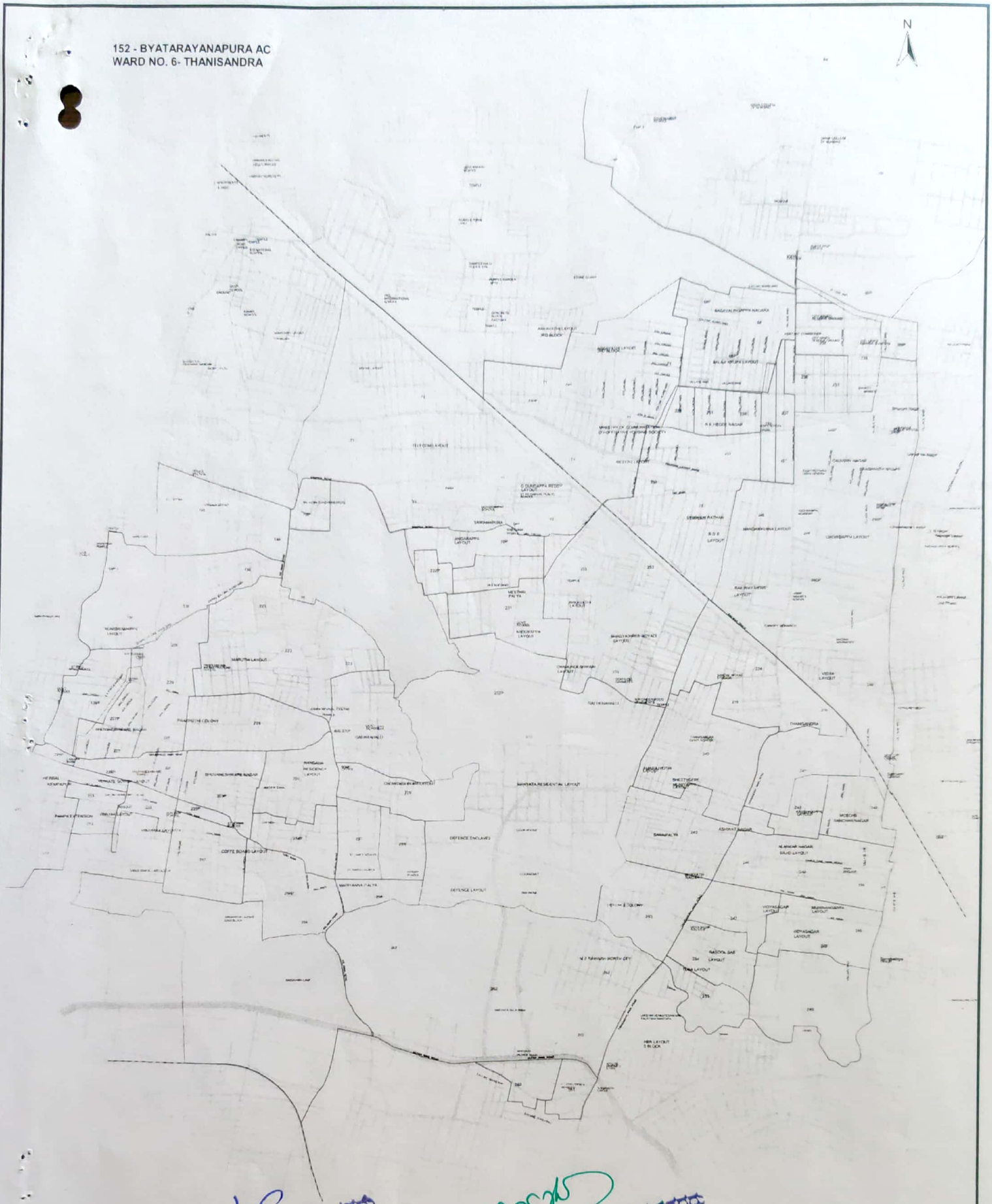
Name of work: Estimate for Maintenance of Toilet in ward no. 06.



ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪ ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

ಸಹಾಯಕ ಕಂದಾಯಾಧಿಕಾರಿ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-26

152 - BYATARAYANAPURA AC
WARD NO. 6- THANISANDRA



ಸಹಾಯಕ ಆಧಿಕಾರಿಗಳು
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ಸಹಾಯಕ ಕಾರ್ಯ ಪಾಲಕ ಅಧಿಯರವರು
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ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-24